

CURRICULUM VITAE

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EDUCATION

10.2020 - 07.2025 Doctor of Philosophy (Ph.D.) (GPA: 4.00/4.00)
Medical Informatics Graduate Program
Graduate School of Informatics, Middle East Technical University
Ankara, Turkey

03.2025 - 09.2025 Visiting Student Researcher
Department of Medicine
Stanford University
Stanford, CA

06.2018 - 07.2024 Clinical Microbiology and Infectious Diseases Residency Training
Department of Clinical Microbiology and Infectious Diseases
Hacettepe University School of Medicine
Ankara, Turkey

09.2022 - 08.2023 Visiting Student Researcher
Stanford Center for Biomedical Informatics Research (BMIR)
Stanford University
Stanford, CA

08.2011 - 06.2016 Internal Medicine Residency Training
Department of Internal Medicine
Hacettepe University School of Medicine
Ankara, Turkey

09.2004 - 07.2010 Medical Doctor (M.D.) (GPA: 3.38/4.00)
Istanbul University School of Medicine
Istanbul, Turkey

PhD DISSERTATION IN MEDICAL INFORMATICS

2025 Multimodal Data Fusion and Multicompartment Image Analysis in Acute and Chronic Lung Diseases
Thesis Advisor: Assoc. Prof. Dr. Yesim Aydin Son
Middle East Technical University
Ankara, Turkey

MEDICAL SPECIALITY THESIS IN CLINICAL MICROBIOLOGY AND INFECTIOUS DISEASES

2024 Viral Genome Analysis and Genotyping of Human Genetic Variants Associated with Severe Disease in COVID-19 Patients
Thesis Advisors: Assoc. Prof. Dr. Yesim Aydin Son, Prof. Dr. Serhat Unal
Hacettepe University School of Medicine
Ankara, Turkey

MEDICAL SPECIALITY THESIS IN INTERNAL MEDICINE

2016 Determining *Clostridium difficile* Infection Rate and Risk Factors in Hospitalized Patients in Hacettepe University Adult and Oncology Hospitals
Thesis Advisors: Prof. Dr. Gülay Sain Güven, Prof. Dr. Serhat Unal
Hacettepe University School of Medicine
Ankara, Turkey

CERTIFICATIONS

2022 Turkish Society of Clinical Microbiology and Infectious Diseases Infectious Diseases Board
2014 Turkish Internal Medicine Society Internal Medicine Board

HONORS AND AWARDS

2025 Turkish Society of Infectious Diseases and Clinical Microbiology, Prof. Dr. Enver Tali Young Investigator Award
2025 Hacettepe University Prof. Dr. M. Şeref Zileli Best Thesis Award
2023 TÜBİTAK 2219-International Postdoctoral Research Fellowship Program
2022 2022-2023 Academic Year Fulbright Ph.D. Dissertation Grant
2016 Hacettepe University Prof. Dr. M. Şeref Zileli Resident of the Year Award

PROFESSIONAL EXPERIENCE

09.2025 - now Postdoctoral Fellow
Department of Radiology
Stanford University School of Medicine
Stanford, US
03.2025 - 09.2025 Temporary Worker
Department of Pulmonary, Allergy and Critical Care Medicine
Stanford University School of Medicine
Stanford, US
03.2018 - 11.2020 Independent Expert Evaluator
PROEMPOWER – Pre-commercial Procurement of Innovative ICT for Patient Empowerment and Self-management for Patients with Type 2 Diabetes Mellitus
Horizon 2020 Program
10.2016 - 06.2018 Internist
Karaman State Hospital Department of Internal Medicine
Karaman, Turkey

05.2015 - 09.2015 Project Manager
Project Code: TBI-2015-5751
Project Title: "The Role of *Triangular Clinic Model* in the Follow Up HIV/AIDS and Tuberculosis Patients and Evaluation of Adaptability This Model to Primary Health Care System in Turkey" funded by Hacettepe University
Global Institute for Health and Human Rights, SUNY at Albany
New York, USA

MEMBERSHIPS IN PROFESSIONAL ASSOCIATIONS

2023 - present	Turkish Society of Clinical Microbiology and Infectious Diseases
2017 - present	Turkish Internal Medicine Society
2017 - present	European Society of Clinical Microbiology and Infectious Diseases
2016 - present	Turkish Thoracic Society
2010 - present	Turkish Medical Association

COURSES AND WORKSHOPS

2023	Sanger Advanced Bioinformatics Workshop for the GPS and JUNO project Ankara, Turkey
2021	Innovations in treatment and management of drug-resistant tuberculosis Latvian WHO Collaborating Center for Research and Training in Management of Multidrug-Resistant Tuberculosis Riga, Latvia - ONLINE
2018	HUKAM Clinical Studies Education Meeting Ankara, Turkey
2018	MIRCIM 2018: 5 th McMaster International Review Course in Internal Medicine Krakow, Poland
2017	Tuberculosis Field Team Education Program Ministry of Health General Directorate of Public Health Antalya, Turkey
2016	Field Epidemiology Education Program Introduction Course Ministry of Health General Directorate of Public Health Ankara, Turkey
2016	WHO Interregional Workshop for Tuberculosis Control and Care Among Refugee and Migrant Populations Catania, Italy
2015	HIV Update: Contemporary Issues in Management Harvard Medical School Boston, MA
2014	Operational Research Skills in One Day 45 th Union World Congress on Lung Health Barcelona, Spain

PUBLICATIONS

- 2025 **Er AG**, Çakır Y, Er B, et al. Exploring the genetic landscape of COVID-19 susceptibility and severity among patients in Türkiye. *BMC Med Genomics*. Published online December 30, 2025. doi:10.1186/s12920-025-02200-w
- 2024 **Er AG**, Çubuk C, Durusu-Tanriover M, et al. Influenza Surveillance Under the Shadow of COVID-19 Pandemic: Phylogenetic Analysis of Influenza A (H1N1)pdm09 Viruses in Türkiye in 2019-20 Season. *Flora*. 2024;29(4):488-501. doi: 10.5578/flora.2024041131
- 2024 **Er AG**, Aslan AT, Mikulska M, Akova M. Prevention and treatment of bacterial infections in patients with haematological cancers and hematopoietic stem cell transplantation: headways and shortcomings. *Clin Microbiol Infect*. 2024; S1198-743X(24)00447-6. doi: 10.1016/j.cmi.2024.09.015.
- 2024 **Er AG**, Ding DY, Er B, et al. Multimodal data fusion using sparse canonical correlation analysis and cooperative learning: a COVID-19 cohort study. *NPJ Digit Med*. 2024;7(1):117. doi:10.1038/s41746-024-01128-2
- 2024 Kaygusuz Y, Üstün C, **Er AG**, et al. An Adult-Onset Chronic Granulomatous Disease Case with Hemophagocytic Lymphohistiocytosis Caused by Burkholderia and Aspergillus Infections. *Infect Dis Clin Microbiol*. 2024;6(4):334-338. doi: 10.36519/jdcm.2024.381
- 2024 Bakir Ekinci P, Kara E, **Er AG**, Pinar A, Inkaya AC, Demirkan K, Metan G, Uzun O. Effect of inflammation on voriconazole levels in patients with invasive pulmonary aspergillosis. *J Infect Dev Ctries*. 2024;18(10):1617-1624. doi: 10.3855/jidc.19290
- 2023 Er B, **Er AG**, Gulmez D, et al. Diagnostic performance and longitudinal analysis of fungal biomarkers in COVID-19 associated pulmonary aspergillosis. *Heliyon*. 2023;9(11):e21721. doi:10.1016/j.heliyon.2023.e21721
- 2022 **Er AG**, Alonso AAR, Marin-Leon I, et al. Community-acquired pneumonia - An EFIM guideline critical appraisal adaptation for internists. *Eur J Intern Med*. 2022;106:1-8. doi:10.1016/j.ejim.2022.10.009
- 2022 Sayinalp-Arslan B, **Er AG**, Yildirim M, Kilicaslan B, Akinci SB, Uzun O. A case of Legionnaires' disease with severe rhabdomyolysis misdiagnosed as COVID-19. *Heliyon*. 2022;8(12):e12341. doi:10.1016/j.heliyon.2022.e12341
- 2022 Er B, **Er AG**, Gulmez D, Sahin TK, Halacli B, Durhan G, et al. A screening study for COVID-19-associated pulmonary aspergillosis in critically ill patients during the third wave of the pandemic. *Mycoses*. 2022;65(7):724-32. DOI: 10.1111/myc.13466
- 2021 Bahap M, Kara E, Er AG, Demirkan K, Unal S. Investigation and Comparison of Diagnosis and Treatment Guidelines for Community Acquired Pneumonia in terms of Pharmaceutical Care Requirements. *Flora the Journal of Infectious Diseases and Clinical Microbiology* 2021;26(1):50-66. DOI: 10.5578/flora.20219905.
- 2021 Er B, **Er AG**, Metan G, et al. Is COVID-19 a risk factor for invasive pulmonary aspergillosis in critically ill patients? *Tuberk Toraks* 2021;69(1):118-120. DOI: 10.5578/tt.20219918.
- 2021 Demir Cuha M, **Er AG**, Durukan BM, Karagoz A, Hazirolan G, Unal S. A rare case of necrotizing fasciitis of the abdominal wall due to *Hungatella effluvii* and

- Streptococcus constellatus. Anaerobe 2021;70:102409. DOI: 10.1016/j.anaerobe.2021.102409.
- 2021 Bakir Ekinci P, Kara E, **Er AG**, Inkaya AC, Demirkan K, Uzun O. Challenge in treating COVID-19 associate pulmonary aspergillosis: Supratherapeutic voriconazole levels. Br J Clin Pharmacol 2021. DOI: 10.1111/bcp.14953.
- 2021 Jakob CEM, Mahajan UM, Oswald M, ...**Er AG**..., et al. Prediction of COVID-19 deterioration in high-risk patients at diagnosis: an early warning score for advanced COVID-19 developed by machine learning. Infection 2021. DOI: 10.1007/s15010-021-01656-z.
- 2021 Telli Dizman G, Metan G, Ayaz Ceylan CM, ...**Er AG**..., et al. A COVID-19 First Evaluation Clinic at a University Hospital in Turkey. Turk J Med Sci 2021. DOI: 10.3906/sag-2104-152.
- 2021 Consortium C-CC, Group LS. Clinical presentation, disease course, and outcome of COVID-19 in hospitalized patients with and without pre-existing cardiac disease: a cohort study across 18 countries. Eur Heart J 2021. DOI: 10.1093/eurheartj/ehab656.
- 2020 Ozsurekci Y, Aykac K, **Er AG**, et al. Predictive value of cytokine/chemokine responses for the disease severity and management in children and adult cases with COVID-19. J Med Virol 2021;93(5):2828-2837. DOI: 10.1002/jmv.26683.
- 2020 Acar AC, **Er AG**, Burduroglu HC, et al. Projecting the course of COVID-19 in Turkey: A probabilistic modeling approach. Turk J Med Sci 2021;51(1):16-27. DOI: 10.3906/sag-2005-378.
- 2020 **Er AG**, Unal S. 2019 Coronavirus Pandemic in Turkey and Across the World. Flora the Journal of Infectious Diseases and Clinical Microbiology 2020;25(1):1-8. DOI: 10.5578/flora.202001.

BOOK CHAPTERS

- 2021 COVID-19: Epidemiology, Global Projection. Hacettepe University COVID-19 Pandemic Report. ISBN: 978-975-97501-5-2. e-ISBN: 978-975-97501-6-9
- 2019 Ministry of Health General Directorate of Public Health Tuberculosis Diagnosis and Treatment Guideline, ISBN: 978-975-590-717-8

HOBBIES

Audiophilia, Cycling, Archeology